





**PAGER** Version 4

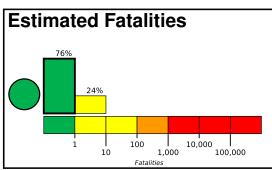
Created: 1 day, 0 hours after earthquake

10,000

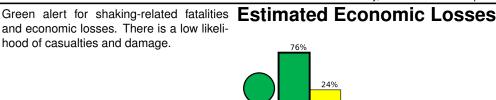
100,000

1,000

# **M 5.8, 280 km SSW of Ohonua, Tonga** Origin Time: 2023-06-18 15:04:49 UTC (Sun 03:04:49 local) Location: 23.7728° S 175.7382° W Depth: 10.0 km



and economic losses. There is a low likelihood of casualties and damage.



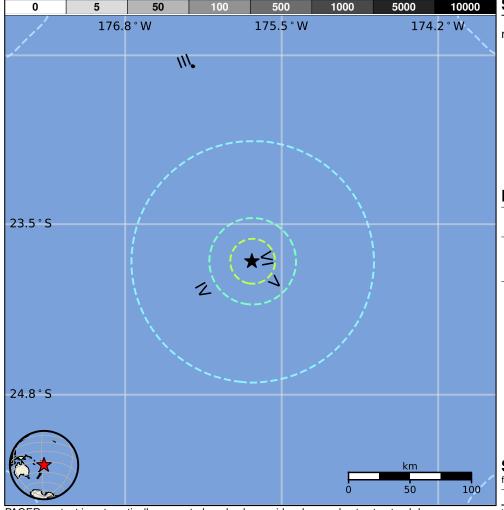
**Estimated Population Exposed to Earthquake Shaking** 

ESTIMATED POPULATION EXPOSURE (k=x1000)		_*	0	0	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	11-111	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

<sup>\*</sup>Estimated exposure only includes population within the map area.

# Population Exposure





#### **Structures**

There are likely to be no affected structures in this region.

100

## **Historical Earthquakes**

Date	Dist.	Mag.	Max	Shaking
(UTC)	(km)		MMI(#)	Deaths
1974-08-06	234	5.8	V(45k)	_
1983-03-21	254	6.7	VII(53k)	_
1977-06-22	96	8.0	VII(47k)	0

### Selected City Exposure

from GeoNames.org

MMI City Population

bold cities appear on map.

(k = x1000)

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

https://earthquake.usgs.gov/earthquakes/eventpage/us7000k9dk#pager

Event ID: us7000k9dk